EPA/CDC:

National and International Collaborations on Health and the Environment

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Background

Pew Commission: Environmental Health Review

- Environmental health system was inadequate and fragmented
- Responsibilities scattered among agencies
- Unable to link environmental and health databases
- Chronic conditions account for 4 out of every 5 deaths in
- ☐ the United States
- Answers needed about the role of the environment on
- ☐ health outcomes

CDC's National Environmental Public Health Tracking Program funded by Congress in FY2002

The Tracking Program will improve community health through the use of information from integrated environmental and public health data sources. As the cornerstone of the Program, the Tracking Network will integrate information on environmental hazards, human exposure to environmental hazards, and health effects potentially related to exposure to environmental hazards.

Recommended a "Nationwide Health Tracking **Network for diseases and** exposures"

EPA's Environmental Information Exchange Network

The Exchange Network (www.exchangenetwork.net) was developed to achieve environmental and human health protection goals traditional program activities and environment and health-indicators support. The Exchange Network provides a platform for the exchange of data for new business needs, analysis tools to support indicators, and integration of health and environmental information. There are now 40 operational data exchange nodes with states.



MOU: EPA and HHS (CDC and ATSDR)

The purpose of the MOU is to advance efforts to achieve mutual environmental public health goals and strengthen the bridge between the environmental and public health communities by:

- Linking EPA Exchange Network and CDC Tracking Network • Sharing of timely and reliable environmental and public health
- ☐ data from CDC and EPA networks



Improving Data Utility, Methods and Tools

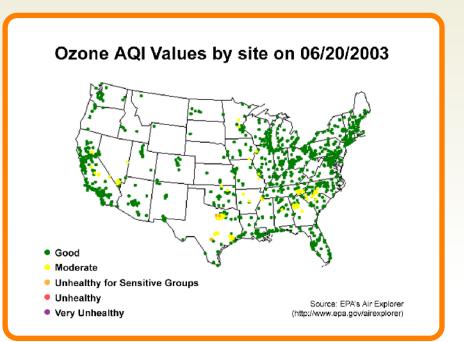
Example: Public Health Air Surveillance Evaluation Project (PHASE)

Partners: CDC, Maine, New York, Wisconsin, and EPA

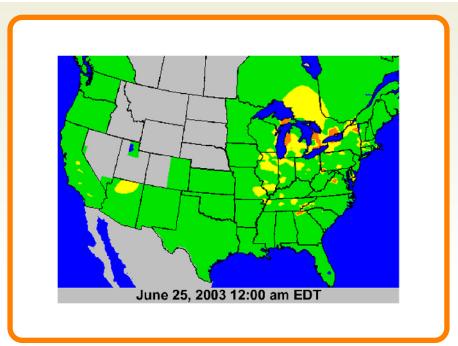
The purpose of this project is to demonstrate the advantages and limitations of methods of generating air-quality characterization surveillance data that can be routinely available to link with public health surveillance data.

Expected Products:

- Routinely available modeled air quality data for use with asthma and cardiovascular hospital data
- Guide for using PHASE information for tracking purposes
- ■Analytic software
- Peer-reviewed scientific publications on methods, evaluation results, and lessons learned







State and Local Activities: CDC's Tracking Program and EPA Health-Related Challenge Grants

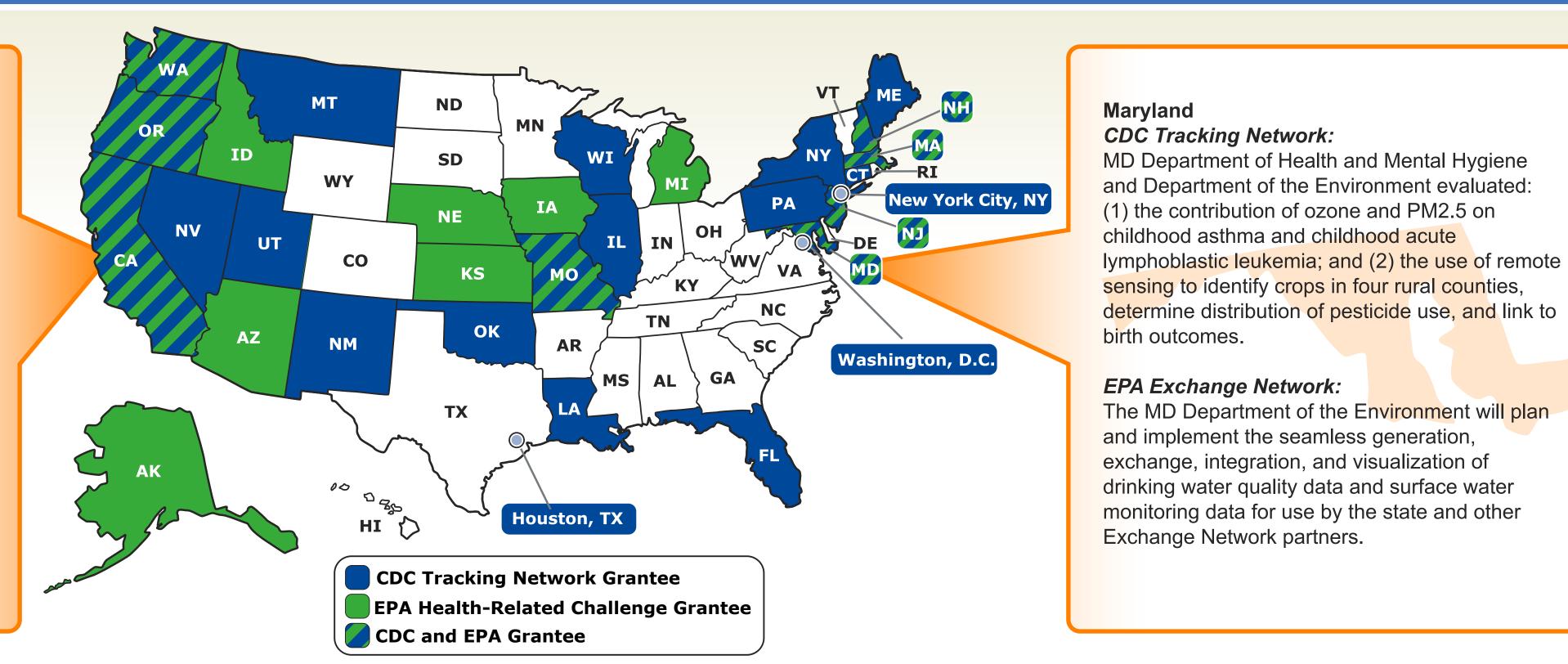
California

CDC Tracking Network:

Conducted two projects: (1) the Alameda County Demonstration Project explored surveillance issues of preterm birth and low birthweight, asthma, and exposure to traffic pollution in the County; and (2) the Central Valley/South Coast Children's Environmental Health Tracking Project is examining the geographic variation between preterm birth, term low birth weight, mental retardation, autism, and SIDS, with airborne hazard data and data from the State Pesticide Use Reporting system.

EPA Exchange Network:

CA Department of Pesticide Regulation is constructing a Web-based, integrated pesticideuse tracking system (PestTrak) to exchange data with other state, local, and federal entities through the CA EPA's node on the Exchange Network.



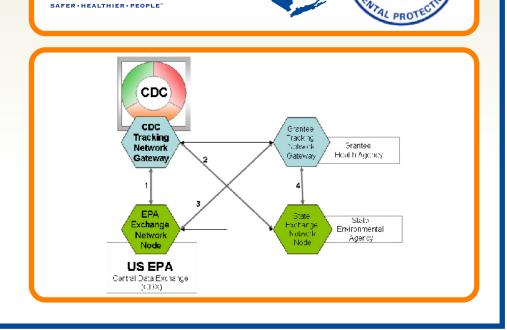
Interoperability of Data Systems

New York Pilot Data Exchange Project

- Collaboration between CDC, EPA, NY State
- Examined interoperability issues between CDC's Public Health Information Network/Tracking Network and EPA's Exchange Network
- Successfully established an integration broker to allow ongoing,
- systematic exchange of air data between the State's Department of Health and Department of Environmental Conservation

Tracking and Exchange Network Interoperability Pilot

- Addressing data exchange mechanisms at the Agency Enterprise level
- Will pilot a secure means to move data among CDC, EPA, and states with minimal translation



Environmental Health Indicators

CDC and EPA working together for better coordination:

- Comparing indicators to identify common purposes, priorities, and measures
- Working with CSTE and states to develop and pilot indicators ☐ that can be used for information dissemination and policy making
- Partnering with European colleagues, European Environment
- □ Agency, WHO Europe, United Nations Environment Programme, □ and the European Commission, to understand differences and □ similarities of indicators in Europe and the U.S.
- ☐ The Border Indicators Task Force published the first Indicators
- Report under the Border 2012 program, which includes about 20 □ indicators from the Bi-national Set and is available at
- □ http://www.epa.gov/r6border/pdf/bitf_prog_200604.pdf



